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Aerospace Medicine

PREVENTION OF HEAT STRESS DISORDERS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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AETCI 48-101, 4 October 2000, is supplemented as follows:

1.2.4. (Added) Prepare a letter of appointment and submit it to the Command Post if a designated representative is selected to disseminate WBGT index throughout the organization/unit.

1.3.6. Ensure all outdoor personnel have immediate access to potable water and shaded rest areas (awning, building, tree, vehicle with air conditioning, etc.) once WBGT index reach 85°F. This supplement defines immediate access as potable water and shade at the rest site. If a remote work site has no potable water nor nearby facilities with potable water accessible by AF personnel, then provisions should be made to transport potable water to the work site.

1.3.7 (Added) All workplaces identified by Bioenvironmental Engineering (BE) where potential occupational exposures to heat stress occur will develop written programs outlining procedures specific to their operations. The written program will identify, at a minimum, internal notification procedures for changing WBGT temperatures, training to be provided to workers and supervisory personnel, and any special precautions or unit specific procedures for specific job tasks. This can be incorporated with job safety briefing outlines. All written programs will be reviewed and approved by BE.

1.6.3.2. Report the WBGT index to the Command Post whenever the index is greater than or equal to 72 degrees Fahrenheit (°F).

1.6.3.4. (Added) Keep a log of WBGT measurements and who was notified of the readings. This should satisfy requirements in paragraph 8.2.

1.7. (Added) Command Post:

1.7.1. The Command Post will notify the following organization commanders or their designated representative of the WBGT index:

1.7.1.1. Wing Commander, 47 FTW/CC, ext. 5110

1.7.1.2. Support Group Commander, 47 SPTG/CC, ext. 5767

1.7.1.3. Medical Group Commander, 47 MDG/CC, ext. 6311

1.7.1.4. Operations Group Commander, 47 OG/CC, ext. 5238

1.7.1.5. Director of Maintenance, 47 OG/MA, ext. 5315

1.7.1.6. Operations Support Squadron Commander, 47 OSS/CC, ext. 5675

1.7.1.7. Services Division Chief, 47 SPTG/SVS, ext. 5810

1.7.1.8. Civil Engineer Squadron Commander, 47 CES/CC, ext. 5252

1.7.1.9. Security Forces Control Center, 47 SFS/SFO, ext. 5100

1.7.1.10. Communications Squadron Commander, 47 CS/CC, ext. 5647

2.2. BE will perform WBGT measurements outside of Bldg 375, in a spot located over pavement and well outside the anticipated shaded area, to account for solar load. A log of readings will be maintained in a backed-up spreadsheet file or other computer data file. A paper copy of this log should be printed out at the end of the WBGT-measurement season and maintained according to the BE file plan.

3.2. (Add) Electrolyte sports drinks shall be drunk only in moderate quantities as supplements to drinking water. As part of the annual briefing required in paragraphs 1.2.2 and 1.3.1, workers will be briefed and expected to adhere to minimum and maximum water consumption rates outlined in Table 1.

6.3. Consideration will be given to altering occupational work schedules when performing heavy maintenance in extremely hot environments (confined spaces, tasks which requires protective equipment, etc.).

7.2. Supervisors are responsible for notifying 47 ADS/SGGM, Public Health Flight (ext. 6380), of heat illnesses within 24-hours of occurrence.

JACK B. EGGINTON, Colonel, USAF
Commander